

U.S. Department of Energy Energy Information Administration Form EIA-860M (2005)	Monthly Update to the Annual Electric Generator Report	Form Approved OMB No. 1905-0129 Approval Expires: 11/30/2007
PURPOSE	<p>Form EIA-860M collects data on the status of:</p> <ul style="list-style-type: none"> a) Proposed new generators, within 12 months of the generator beginning commercial operations, and b) Proposed changes to existing generators, within 12 months of the proposed change being effective. <p>The data from this form appear in the EIA publication <i>Electric Power Monthly</i>. The data collected on this form are used to monitor the current status and trends of the electric power industry and to evaluate the future of the industry.</p>	
REQUIRED RESPONDENTS	<p>Respondents to the Form EIA-860M who are required to complete this form are all Form EIA-860, Annual Electric Generator Report, respondents who have indicated in a previous filing to EIA that a proposed new generator is within 12 months of the generator beginning commercial operations, or that proposed changes to existing generators are within 12 months of completion.</p>	
RESPONSE DUE DATE	<p>Reporting on the EIA-860M must begin when a new generator, or changes to an existing generators, are within 12 months of entering commercial operation. Reporting then continues monthly until the unit enters commercial operation, unless it is delayed outside of the 12 month threshold.</p> <p>The status information provided on the EIA-860M should be the status of the unit as of the end of the reporting month. The report is due by the 15th day of the month following the reporting month.</p> <p>For example, if a new generator is expected to enter commercial operation in December, 2007:</p> <ul style="list-style-type: none"> • Reporting will begin in January 2007 with the status of the unit as of December 31, 2006. This information must be reported to EIA by January 15, 2007. • Assuming the unit comes on-line as scheduled, the reporting will continue, month-by-month, until January 2008, when the unit status as of December 31, 2007 will be reported as in commercial operation. 	
METHODS OF FILING RESPONSE	<p>Submit your data electronically using EIA's secure Internet Data Collection system (IDC). This system uses security protocols to protect information against unauthorized access during transmission.</p> <ul style="list-style-type: none"> • If you have not registered with EIA's Single Sign-On system, send an e-mail requesting assistance to: EIA-860M@eia.doe.gov. • If you have registered with Single Sign-On, log on at https://signon.eia.doe.gov/ssoserver/login • If you are having a technical problem with logging into the IDC or using the IDC contact the IDC Help Desk for further information. Contact the Help Desk at: <p style="text-align: center;">E-Mail: CNEAFhelpcenter@eia.doe.gov Phone: 202-287-1333</p> <ul style="list-style-type: none"> • If you need an alternate means of filing your response, contact the Help Desk. <p>Retain a completed copy of this form for your files.</p>	

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CONTACTS

Internet System Questions: For questions related to the Internet Data Collection system, see the help contact information immediately above.

Data Questions: For questions about the data requested on Form EIA-860M, contact:

Kenneth McClevey
Telephone Number: (202) 287-1732
FAX Number: (202) 287-1960
Email: kenneth.mcclevey@eia.doe.gov

Glenn McGrath
Telephone Number: (202) 287-1745
FAX Number: (202) 287-1960
Email: glenn.mcgrath@eia.doe.gov

ITEM-BY-ITEM INSTRUCTIONS

Respondent and plant codes are assigned by EIA and cannot be changed.

Respondent Name, Respondent ID, and Reporting Period: Verify the respondent name and reporting period. If incorrect, provide the correct information. Provide changes to Respondent Name in the Footnotes Section, page 3. Note that the respondent ID is assigned by EIA and cannot be altered.

Schedule A. Updates to Proposed New Generators

Changes to the generator data: If there is no change to the preprinted data, check "no change."

Identification Information (applicable in all Schedules):

- **Plant Name:** Provide an explanation of name changes in the Footnotes Section, located on page 3 of the form.
- **Plant Code:** If the information is incorrect, contact EIA.
- **Plant State:** If the State listed is the incorrect location for the plant, provide correct State. Use the two-letter U.S. Postal abbreviation to show the State in which the plant is physically located.

If data are incorrect, provide revisions or updates in columns for updates. If data are missing, provide data.

Schedule A. Updates to Proposed New Generators (Continued)

1. For line 1, verify **Status Code**. Use the status codes from the following table:

Status Code	Status Code Description
IP	Planned new generator canceled, indefinitely postponed, or no longer in resource plan
TS	Construction complete, but not yet in commercial operation (including lower power testing of nuclear units)
P	Planned for installation but not under construction
L	Regulatory approval pending. Not under construction (started site preparation)
T	Regulatory approval received but not under construction
U	Under construction, less than or equal to 50 percent complete (based on construction time to date of operation)
V	Under construction, more than 50 percent complete (based on construction time to date of operation)
OP	Operating (in commercial operation)
OT	Other (describe in Schedule 3, Footnotes)

2. For line 2, verify **Prime Mover Type**.
 - For combined cycle units, a prime mover code must be entered for each generator.

- Use the prime mover codes from the following table:

**ITEM-BY-ITEM
INSTRUCTIONS
(Continued)**

Prime Mover Code	Prime Mover Description
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion (diesel, piston, reciprocating) Engine
CT	Combined Cycle Combustion – Turbine Part
CA	Combined Cycle – Steam Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle Total Unit – Planned plants only, for which specific generator details cannot be provided.
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
PV	Solar Photovoltaic
BT	Turbines Used in a Binary Cycle (such as used for geothermal applications)
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other (describe in explanation column)
NA	Unknown at this time. Use only for plants/generators that are in planning stage, for which specific generator details cannot be provided.

3. For line 3, verify **Nameplate Capacity**. If the nameplate capacity is expressed in kilovolt amperes (kVA), convert to kilowatts by multiplying the power factor by the kVA, divide by 1000 to express in megawatts to the nearest tenth.

Schedule A. Updates to Proposed New Generators (Continued)

4. For lines 4 and 5, verify **Net Summer Capacity** and **Net Winter Capacity**, respectively.
5. For line 6, verify **Energy Source 1**, the energy source that is expected to be used in the largest quantity (Btus) to power the generator. Select appropriate energy source codes from the list on pages vii and viii of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).
6. For line 7, verify the principal mode of transportation for Energy Source 1. Select from the list of Transportation Mode Codes on page viii.
7. For line 8, verify **Energy Source 2**, the energy source that is expected to be used in the second largest quantity (Btus) to power the generator. Select appropriate energy source codes from the list on pages vii and viii of these instructions. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).
8. For line 9, verify the principal mode transportation for Energy Source 2. Select from the list of Transportation Mode Codes on page viii.
9. For line 10, verify the **Planned Current Effective Date** that the generator is scheduled to start commercial operation, or enter the date the generator

**ITEM-BY-ITEM
INSTRUCTIONS
(Continued)**

started commercial operation if status is OP.

10. For line 11, enter **Reason for Change** in status or change in scheduled date. Check all of the reasons that apply; if "Other," explain in Schedule C, Footnotes.

Schedule B. Updates to Proposed Changes to Existing Generators

1. For line 1, verify **Status Code**. Use the status codes from the following table:

Status Code	Status Code Description
FC	Existing generator planned for conversion to another fuel or energy source
RP	Proposed for life extension or repowering
A	Proposed generator capability increase (rerating or relicensing)
D	Proposed generator capability decrease (rerating or relicensing)
M	Generator to be put in deactivated shutdown status
RA	Previously retired or deactivated generator planned for reactivation
RT	Existing generator scheduled for retirement
CO	Proposed change of ownership (including change of shares of jointly-owned units)
RE	Retired - no longer in service and not expected to be returned to service

2. For line 2, verify **Existing Prime Mover**, use codes from table on page iii.
3. For line 3, verify **Nameplate Capacity**. Report the highest value on the nameplate in megawatts rounded to the nearest tenth. If the nameplate capacity is expressed in kilovolt amperes (kVA), convert to kilowatts by multiplying the power factor by the kVA, divide by 1000 to express in megawatts to the nearest tenth.

**Schedule B. Updates to Proposed Changes to Existing Generators
(Continued)**

4. For line 4, verify **Existing Net Summer Capacity**.
5. For line 5, verify the **Incremental Net Summer Capacity**, as specified in the following table:

If Status Code Is:	Then Enter:
FC	The change in capacity (if any) expected to be realized from the conversion to the new energy sources.
A, D, RP	The change in capacity (if any) expected to be realized from the modification to the equipment
RA	The capacity expected to be realized once the previously retired generator is reactivated.
M, RT	The decrease (negative value) in capacity for the generator being deactivated or retired.

6. For line 6, verify **New Net Summer Capacity**, (sum of lines 4 and 5).
7. For line 7, verify **Existing Net Winter Capacity**.
8. For line 8, verify the **Incremental Net Winter Capacity**, as specified in the following table:

**ITEM-BY-ITEM
INSTRUCTIONS
(Continued)**

If Status Code Is:	Then Enter:
FC	The change in capacity (if any) expected to be realized from the conversion to the new energy sources.
A, D, RP	The change in capacity (if any) expected to be realized from the modification to the equipment
RA	The capacity expected to be realized once the previously retired generator is reactivated.
M, RT	The decrease (negative value) in capacity for the generator being deactivated or retired.

9. For line 9, verify **New Net Winter Capacity**, (sum of lines 7 and 8).
10. For line 10, verify **Energy Source 1**, as expected after change is effective. Enter the energy source code for the fuel that is expected to be used in the largest quantity (Btus) following modification.
11. For line 11, verify mode of transportation for **Energy Source 1**. Select from the list of Transportation Mode Codes on page viii.
12. For line 12, verify **Energy Source 2**, as expected after change is effective. Enter the code for the energy source expected to be used in the second largest quantity (Btus). Select appropriate energy source codes from the list on pages vii and viii of these instructions.
13. For line 13, verify mode of transportation for **Energy Source 2**. Select from the list of Transportation Mode Codes on page viii.
14. For line 14, verify **New Prime Mover**. For existing generators with a status code of "RP", enter the prime mover code that is applicable once the modification is complete if it will be different from the current prime mover. Use the codes for prime mover provided under "Prime Mover," on page iii.

**Schedule B. Updates to Proposed Changes to Existing Generators
(Continued)**

15. For line 15, verify the **Planned Current Effective Date**. Enter the month and year of the current effective date that the generator is scheduled to start operation after modification or reactivation, the month and year that the change of ownership is effective, the month and year that the generator is scheduled for deactivated shutdown status, or the month and year that the generator is scheduled for retirement. If the proposed change is completed, enter the actual date of completion and state "Completed" in Schedule C, Footnotes.
16. For line 16, enter **Reason for Change** in the planned current effective date. Check all of the reasons that apply, if "Other," explain in Schedule C, Footnotes.

U.S. Department of Energy Energy Information Administration Form EIA-860M (2005)	Monthly Update to the Annual Electric Generator Report	Form Approved OMB No. 1905-0129 Approval Expires: 11/30/2007
ITEM-BY-ITEM INSTRUCTIONS (Continued)		

U.S. Department of Energy Energy Information Administration Form EIA-860M (2005)		Monthly Update to the Annual Electric Generator Report	Form Approved OMB No. 1905-0129 Approval Expires: 11/30/2007	
ENERGY SOURCE CODES	Energy Source Code	Description		
	Fossil Fuels			
	Coal and Syncoal	BIT	Anthracite Coal and Bituminous Coal	
		LIG	Lignite Coal	
		SC	Coal-based Synfuel. Including briquettes, pellets, or extrusions, which are formed by binding materials or processes that recycle materials.	
		SUB	Subbituminous Coal	
		WC	Waste/Other Coal. Including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal.	
	Petroleum Products	DFO	Distillate Fuel Oil. Including Diesel, No. 1, No. 2, and No. 4 Fuel Oils.	
		JF	Jet Fuel	
		KER	Kerosene	
		PC	Petroleum Coke	
		RFO	Residual Fuel Oil. Including No. 5, No. 6 Fuel Oils, and Bunker C Fuel Oil.	
		WO	Waste/Other Oil. Including Crude Oil, Liquid Butane, Liquid Propane, Oil Waste, Re-Refined Motor Oil, Sludge Oil, Tar Oil, or other petroleum-based liquid wastes.	
	Natural Gas and Other Gases	BFG	Blast Furnace Gas	
		NG	Natural Gas	
		OG	Other Gas Specify in Footnote Section	
		PG	Gaseous Propane	
	Renewable Energy Sources			
	Solid Renewable Fuels	AB	Agricultural Crop Byproducts/Straw/Energy Crops	
		MSW	Municipal Solid Waste	
		OBS	Other Biomass Solids Specify in Comment Section	
		TDF	Tire-derived Fuels	
		WDS	Wood/Wood Waste Solids. Including paper pellets, railroad ties, utility poles, wood chips, bark, & wood waste solids.	
	Liquid Renewable (Biomass) Fuels	OBL	Other Biomass Liquids. Specify in Comment Section	
		SLW	Sludge Waste	
		BLQ	Black Liquor	
		WDL	Wood Waste Liquids excluding Black Liquor. Includes red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids.	
	Gaseous Renewable (Biomass) Fuels	LFG	Landfill Gas	
		OBG	Other Biomass Gas. Includes digester gas, methane, and other biomass gasses. Specify in Comment Section.	
	All Other Renewable Energy Sources	SUN	Solar	
		WND	Wind	
		GEO	Geothermal	
		WAT	Water at a Conventional Hydroelectric Turbine	

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ENERGY SOURCE CODES (Continued)		Energy Source Code	Description		
		All Other Energy Sources			
	All Other Energy Sources	PUR	Purchased Steam		
		WH	Waste heat not directly attributed to a fuel source. WH should only be reported where the fuel source for the waste heat is undetermined, and for combined cycle steam turbines that do not have supplemental firing.		
		OTH	Specify in Footnote Section		
TRANSPORTATION MODE CODES	Mode of Transportation Code		Description		
	CV		Conveyor		
	PL		Pipeline		
	RR		Railroad		
	TK		Truck		
	WA		Water		
	UK		Unknown at this time		

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GLOSSARY	The glossary for this form is available online at the following URL: http://www.eia.doe.gov/glossary/index.html	
SANCTIONS	The timely submission of Form EIA-860M by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than \$2,750 per day for each civil violation, or a fine of not more than \$5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.	
REPORTING BURDEN	Public reporting burden for this collection of information is estimated to average 0.3 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Statistics and Methods Group, EI-70, 1000 Independence Avenue S.W., Forrestal Building, Washington, D.C. 20585-0670; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. A person is not required to respond to the collection of information unless the form displays a valid OMB number.	
CONFIDENTIALITY	Information reported on Form EIA-860M will not be treated as confidential and may be publicly released in identifiable form. In addition to the use of the information by EIA for statistical purposes, the information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.	

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NOTICE: The timely submission of Form EIA-860M by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Data reported on Form EIA-860M are not considered to be confidential. Failure to respond may result in a penalty of not more than \$2,750 per day for each civil violation, or a fine of not more than \$5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. A person is not required to respond to collection of information unless the form displays a valid OMB number.

Title 18 U.S.C. 101 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.

Please submit by the 15th of each month.

SURVEY CONTACTS: Persons to contact with questions about this form.

Contact Person:	Title:
Telephone:	Fax:
Supervisor:	E-mail:
Telephone:	Title:
Fax:	E-mail:

REPORT FOR:

RESPONDENT NAME: **RESPONDENT ID:**

ADDRESS LINE 1:

ADDRESS LINE 2:

CITY: **STATE:** **ZIPCODE:**

SCHEDULE A. UPDATES TO PROPOSED NEW GENERATORS

Identification Information: **Plant Name** _____ **Plant State** _____
Plant Code _____

		Check if no change		Check if no change	
		Generator <EIA gen ID preprint>		Generator <EIA gen ID preprint>	
Line No.	Data Element	Last Data Reported to EIA	This Month's Updates	Last Data Reported to EIA	This Month's Updates
1	Status Code	Pre-printed		Pre-printed	
2	Prime Mover Code	Pre-printed		Pre-printed	
3	Nameplate Capacity (MW)	Pre-printed		Pre-printed	
4	Net Summer Capacity (MW)	Pre-printed		Pre-printed	
5	Net Winter Capacity (MW)	Pre-printed		Pre-printed	
6	Energy Source 1	Pre-printed		Pre-printed	
7	Energy Source 1 Mode Of Transport	Pre-printed		Pre-printed	
8	Energy Source 2	Pre-printed		Pre-printed	
9	Energy Source 2 Mode of Transport	Pre-printed		Pre-printed	
10	Planned Current Effective Date: MM/YYYY	Pre-printed		Pre-printed	
11	Reason for Change (check all that apply; if "Other" explain in Schedule C)	Financial	[]	Equipment	[]
		Permitting	[]	Other	[]

Page of

U.S. Department of Energy Energy Information Administration Form EIA-860M (2005)		Monthly Update to the Annual Electric Generator Report		Form Approved OMB No. 1905-0129 Approval Expires: 11/30/2007	
SCHEDULE B. UPDATES TO PROPOSED CHANGES TO EXISTING GENERATORS					
Identification Information: Plant Name _____ Plant State _____ Plant Code _____					
		Check if no change		Check if no change	
		Generator <EIA gen ID preprint>		Generator <EIA gen ID preprint>	
Line No.	Data Element	Last Data Reported to EIA	This Month's Updates	Last Data Reported to EIA	This Month's Updates
1	Status Code	Pre-printed		Pre-printed	
2	Prime Mover (existing)	Pre-printed		Pre-printed	
3	Nameplate Capacity (MW)	Pre-printed		Pre-printed	
4	Existing Net Summer Capacity (MW)	Pre-printed		Pre-printed	
5	Incremental Net Summer Capacity (MW)	Pre-printed		Pre-printed	
6	New Net Summer Capacity (MW) (lines 4 +5)	Pre-printed		Pre-printed	
7	Existing Net Winter Capacity (MW)	Pre-printed		Pre-printed	
8	Incremental Net Winter Capacity (MW)	Pre-printed		Pre-printed	
9	New Net Winter Capacity (MW) (lines 7 + 8)	Pre-printed		Pre-printed	
10	Energy Source 1	Pre-printed		Pre-printed	
11	Energy Source 1 Mode of Transport	Pre-printed		Pre-printed	
12	Energy Source 2	Pre-printed		Pre-printed	
13	Energy Source 2 Mode of Transport	Pre-printed		Pre-printed	
14	New Prime Mover Code	Pre-printed			
15	Planned Current Effective Date: MM/YY	Pre-printed		Pre-printed	
16	Reason for Change (check all that apply; if "Other" explain in Schedule C, Footnotes)	Financial	[]	Equipment	[]
		Permitting	[]	Other	[]
		Financial	[]	Equipment	[]
		Permitting	[]	Other	[]
Page _____ of _____					

U.S. Department of Energy Energy Information Administration Form EIA-860M (2005)	Monthly Update to the Annual Electric Generator Report	Form Approved OMB No. 1905-0129 Approval Expires: 11/30/2007
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SCHEDULE C. FOOTNOTES

SCHEDULE NUMBER (a)	LINE NUMBER (b)	NOTES (c)